

CLAIMS:

1. A lacquer composition, obtainable by a method comprising the steps of mixing together an organosilane compound and silica particles under basic conditions, characterized in that a metal alkoxide is added to the reaction mixture.

5 2. A lacquer composition according to claim 1, characterized in that the metal alkoxide is a zirconium alkoxide, an aluminum alkoxide, a titanium alkoxide or a mixture thereof.

10 3. A lacquer composition according to claim 1 or 2, characterized in that the metal alkoxide comprises a metal diketonate.

4. A lacquer composition according to claim 1, characterized in that the organosilane compound is an epoxysilane.

15 5. A lacquer composition according to claim 4, characterized in that the epoxysilane is 3-glycidyloxypropyltrimethoxysilane.

6. A lacquer composition according to claim 1, characterized in that at least a second organosilane compound is present.

20 7. A lacquer composition according to claim 6, characterized in that the second organosilane compound comprises a tetra-alkoxysilane.

8. A method of applying a lacquer coating to a substrate in which method a lacquer composition is applied to the substrate and cured, thereby forming the lacquer coating, characterized in that a lacquer composition as claimed in claims 1-7 is used.

25 9. Product provided with a lacquer coating, characterized in that the lacquer coating is obtained by using the method as claimed in claim 8.

10. A starting material composition for obtaining a lacquer composition as claimed in any of the claims 1-7, comprising an organosilane compound, silica particles, a base, and a metal alkoxide.

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